

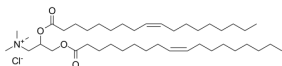
Certificate of Analysis

Product Name:	DOTAP (chloride)
Cat. No.:	HY-112754A
CAS No.:	132172-61-3
Batch No.:	78629
Chemical Name:	1-Propanaminium, N,N,N-trimethyl-2,3-bis[[[(9Z)-1-oxo-9-octadecenyl]oxy]-], chloride (1:1)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C ₄₂ H ₈₀ ClNO ₄
Molecular Weight:	698.54
Storage:	-20°C, protect from light, stored under argon * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under argon)

Chemical Structure:



ANALYTICAL DATA

Appearance:	White to off-white (Solid)
¹ H NMR Spectrum:	Consistent with structure
MS:	Consistent with structure
Purity (NMR):	>98.0%
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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